

Appl.No.: 09/745,132  
Corrected amendment section dated December 17, 2004  
Response to Notice mailed December 7, 2004

## ABSTRACT OF THE DISCLOSURE

A complementary-color-filtered array interpolation by first interpolate each color subarray so each pixel has four colors and then adjust each color at a pixel with addition or subtraction of a color imbalance factor for the pixel. For yellow and cyan the adjustment is subtraction but for magenta and green the adjustment is addition.